

Brilliant Finishes, Unmatched Tolerances, Lightning Speed

Why 42,000 RPM?

Hard milling means using small end mills with special chemistry and geometry to achieve superlative finish and tolerance. Maximizing productivity includes extending tool life which is sacrificed with compromised feeds and speeds. Hard milling will not produce the desired results at 20,000 RPM, 25,000 RPM and, in many cases, even 30,000 RPM. Take a close look below. Surface finish is more than meets the eye.



Wavy Surface, 420 Stainless Steel, HRC54

Operation:	Rough	Finish
Cutter:	3 mm ball end-mill	3 mm ball end-mill
RPM:	20,000	20,000
IPM:	315	60
Time:	24 min.	41 min.



Wavy Surface, 420 Stainless Steel, HRC54

Operation:	Rough	Finish
Cutter:	3 mm ball end-mill	3 mm ball end-mill
RPM:	30,000	30,000
IPM:	315	60
Time:	24 min.	41 min.



Wavy Surface, 420 Stainless Steel, HRC54

Operation:	Rough	Finish
Cutter:	3 mm ball end-mill	3 mm ball end-mill
RPM:	40,000	40,000
IPM:	315	60
Time:	24 min.	41 min.